

Signal Parameter	Mass	Scale	Fit	Procedure	Res.	Back.	Total	%
$\Sigma_b^+ Q$, MeV/ c^2					0.07	0.05	0.09	0.2
	-0.35				-0.12	-0.05	-0.37	1
$\Sigma_b^+ \Gamma$, MeV/ c^2	0.20				0.94	0.40	1.04	11
	-0.20		-0.38		-0.89	-0.40	-1.07	12
Σ_b^+ events					16	9	18	4
					-11	-9	-15	3
$\Sigma_b^- Q$, MeV/ c^2					0.05	0.04	0.07	0.1
	-0.38				-0.07	-0.04	-0.39	1
$\Sigma_b^- \Gamma$, MeV/ c^2	0.20				0.85	0.50	1.01	23
	-0.20		-0.27		-0.87	-0.50	-1.06	25
Σ_b^- events					9	34	35	11
					-8	-34	-35	10
$\Sigma_b^{*+} Q$, MeV/ c^2					0.06	0.10	0.12	0.2
	-0.52				-0.13	-0.10	-0.55	1
$\Sigma_b^{*+} \Gamma$, MeV/ c^2	0.20				0.64	0.50	0.83	8
	-0.20		-0.29		-1.01	-0.50	-1.18	11
Σ_b^{*+} events					7	24	25	3
					-13	-24	-27	4
$\Sigma_b^{*-} Q$, MeV/ c^2					0.06	0.06	0.08	0.1
	-0.56				-0.08	-0.06	-0.57	1
$\Sigma_b^{*-} \Gamma$, MeV/ c^2	0.20				0.65	0.30	0.74	12
	-0.20		-0.23		-0.96	-0.30	-1.05	16
Σ_b^{*-} events					7	28	29	6
					-8	-28	-29	6

TABLE I: Summary of the systematics errors. For every parameter, the total systematic error is obtained by adding all the associated errors in quadrature. The last column shows, for every parameter, the % of the total systematic uncertainty with respect the measured value for this parameter.